

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: msdooley@rdxsunhost.aud.alcatel.com (Michael S. Dooley)
Subject: [7568] 300 Ohm J-Pole Calculations
Message-ID: <9604231355.AA14373@collie.aud.alcatel.com>

ummmm.. actually stretch would be a better term here, not cut. P-) A 52 Mhz antenna is physically shorter than a 50.125 Mhz antenna... sorry, couldn't resist! When you find the calculation try using a alligator clip with solid wire soldered to it and clipped to the top of the antenna to lengthen it to the right length. That way you can still use the antenna for 50.125 as well as 52...

> I want to re-cut my 6m J-Pole from 52 Mhz to 50.125 Mhz but I can't find the
> calculations. Can someone e-mail them to me?
>
> Thanks
> 73's de AA2UG Andrew
> Andrew.Comas@ska.com

Mike KE4PC

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: ae4ic@nr.infi.net (BOB KELLOGG)
Subject: [7554] 5 way binding posts
Message-ID: <199604230515.BAA24673@mh004.infi.net>

Hey, Guys,

The fifth way is just plain bare wire with no tip or lug on it.

CUL,
Bob Kellogg, AE4IC
Prolably, but not nececelery. - Benny Hill

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: "Bowes, Fr. Bruce" <GBB1@maristb.marist.edu>
Subject: [7602] Antenna help -please
Message-ID: <23APR96.20026034.0061.MUSIC@MARISTB.MARIST.EDU>

Gang,
Recently I built and installed a Double Zepp, 170.9 feet on each leg, abt 30 feet high fed with ladder line. It loads up fine on both 80 and 40 meters - low SWR and full 100 watts out. However, on 20m I can get

the low SWR but only about 10 to 15 watts. I have tried all the setting on my MFJ tuner 941b(?) and still nothing better. When I switch to my old 80 m dipole, I am able to get a low SWR and full power out with the best setting on the tuner that I can get. The rig is a KNWD TS520s. The antenna is made up of #17 galvanized wire with a good ladder line fed. Any ideas?? The recommended length is 168.74 feet (.64 80m)

Thanks

Fr Bowes KB2TRF

From owner-qrp-l@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: "Tim Stabler" <TSTABLER@iunhaw1.iun.indiana.edu>
Subject: [7564] antennas
Message-ID: <10CF742B28@iunhaw1.iun.indiana.edu>

Has anyone on this group used the Butternut HF5B Compact Butterfly Beam antenna????? I was wondering how this would work on my TV rotor in place of my Cushcraft 10-15-20 meter dipole.

Please reply directly to me.

Thanks much.

72 de WB9NLZ

Timothy A. Stabler, Ph.D.
Department of Biology
Indiana University Northwest
Gary, IN 46408

(219)980-6718
FAX: (219)980-7125

From owner-qrp-l@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Chris McCormack <chrismc@eecs.umich.edu>
Subject: [7573] Battery Suggestions?
Message-ID: <199604231525.LAA29841@flip.eecs.umich.edu>

The nicads in my Icom 2SAT have decided they no longer wish to hold a charge, so I'm fishing for suggestions on where I can get new batteries for this little HT. (Slightly bigger than an Altoids box, but much smaller than my HW-8).

Also, in the current issue of QST, I noticed an ad for NiMH cells. How do these compare (cost and performance)?

Chris McCormack
n0oqt / qrp-416
c.mccormack@ieee.org

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: gary-r-hanson@uiowa.edu (Gary R. Hanson)
Subject: [7599] Costa Rica and temporary ham ticket
Message-ID: <v02130505ada2f70d4511@[128.255.164.50]>

I'll be in Costa Rica for two weeks at the end of June and early July visiting my daughter. Could anyone give me some advice about how to get a temp ham ticket from a foreign country as I'm thinking about taking a QRP rig along. My daughter lives in the highlands not too far from the Arenal volcano so I thought it might be a great location for a 40 meter antenna, a "hot" spot so to speak. It's a family vacation so on-the-air time may be restricted, but I would love to give it a try. Any advice you could give would be appreciated. How much lead time would I need to apply for and receive the ticket?

Thanks for your help.

Gary R. Hanson

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: kf8at@detroit.ampr.org
Subject: [7597] CW Mobile
Message-ID: <5659@detroit.ampr.org>

I have some additional comments about running mobile CW. I have had the opportunity to run CW in the mobile and it can be a ball! In past years I have run my KWM-2, KWM-380 and HW-8 from my car. I have worked many corners of the world via SSB and CW!

CW can be safe too, but one has to be very careful! Other suggestions I have seen here must be emphasized! SAFETY FIRST! No QSO that I can think of is worth risking your life or the life of others for! Statistics do show that drivers are paying less attention to their driving and more attention to cell phones, stereos, radios, etc. Don't become a statistic! Have fun, and be safe! I do know of a ham that ran quite a bit of CW in his drive to and from work. He became a SK in an auto crash and it is suspected that he may not have been paying as much attention to his driving as he should have because he may have been in the middle of a QSO at the time of the accident.

Don't mean to be a killjoy, but driving is a serious activity! I don't think we would think of letting our kids do something like this! I won't tell!

73,
Floyd, KF8AT
QRP-L #392

From owner-qrp-l@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: gary-r-hanson@uiowa.edu (Gary R. Hanson)
Subject: [7598] DCT loop, 40-9er and Autek antenna analyzer
Message-ID: <v02130504ada2f0eed4f9@[128.255.164.50]>

Hey gang,

This comes under the category of a new toy, rather than a dumb question, but I need some help here. My daughter gave me an Autek antenna analyzer for my birthday and I have been trying to learn how to use it. Consequently, I have some very BASIC questions:

Question #1

I've constructed a DCT loop and was trying to measure the impedance. The manual says to disconnect the feedline so I did. Here's the problem. When I use two inch leads to the Autek, I get a reading of about 20 ohms and when I use 8 inch leads I get a reading of nearly 80 ohms. I suspect the truth lies somewhere between because I cut the DCT loop to use with 50 ohm coax rather than the 300 ohm twinlead. How long should the leads be when I measure the impedance at the antenna feedpoint???? With the DCT loop, am I adding in some "hand" capacitance because my hand and the instrument are "in" the loop with only two inch leads?

Question #2

When trying to find the point at which the antenna is resonant (lowest SWR?) do I re-connect the feedline? The DCT loop has an open stub and a shorted stub and I can shorten and lengthen them to move the point of resonance and the impedance, but the results are very different depending on whether I have the feedline connected. I assume (correctly???) that I would want the feedline connected (about 15 feet) because that is how I will be operating the loop?

Question #3

No matter what combination of antenna length, open stub and shorted stub, I can't seem to get the SWR below 2.5. Even when I get the impedance around

50 ohms and the antenna resonance near the frequency I want the SWR is still high. Again, this is with the feedline connected. Feedline problems here? (Heck, I even tried using what was recommended in the original articles, but nothing seems to work.) Any suggestions?

I had really wanted to make a 40-9er contact with an indoor DCT loop. Anyone else experimenting with this combination? I already know the condition of my sanity for even trying, but what is QRP without a challenge?

Thanks for the help.

72,73, KJ5VW

Gary R. Hanson

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: [7551] First Canadian 40-9er?...half alive!
Message-ID: <Pine.SUN.3.93.960422220351.3628C-100000@ume>

While listening to my newly completed Cascade I whipped the 40-9er together tonight. Having distributed 10 of these to the locals I wanted to have mine operational for the informal gathering this week. (After which I will of course show off my new SSB radio! ;-))
I incorporated only one mod before assembly, that of the PA torroid. Turned it on and presto.....CW signals! No big SW AM around here so heard just the CW I was expecting to hear.
No output yet. It is oscillating at about 7.038. The VX0 does not seem to have any effect so will have to trace these problems out. After much hand holding from the likes of N6KR and W6EMD over the past year I am confident that I will sort this one out!
Have seen the distance records. Well, we here in the frozen north have a different record in mind. Most number of 40-9ers checking in to a local QRP net at once.
This will have to wait until I get mine (and the others) working first!

Dr. Rick Zabrodski BSc, MD, CCFP(E) MRO ★
Clinical Assistant Professor ★ NorCal 519 ARCI 7650 GQRP 8329
Faculty of Medicine, Univ. of Calgary ★ "Power is no substitute for skill"

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: David Werner <aa9ol@execpc.com>
Subject: [7588] FS: Spring Cleaning Items...
Message-ID: <317D203F.363@execpc.com>

Spring cleaning has unearthed one completed and several uncompleted
(or is it "un-started"?) projects.

Help me clear my conscience (and my workbench!)

All prices include shipping in continental USA.

T Kit (by Ten Tec) "Any Band" direct conversion receiver. Assembled
for 80 meters but included are all parts supplied by Ten Tec for
conversion to any band from 160 to 10 meters.----- \$25

Norcal 40 "partial kit", circuit board, case, manual and often hard
to find varacter diode for vfo. ----- \$20

"Breed" receivers (2) kits include schematics, circuit boards, the
hard to find ICs, and four crystals for if filter and
one for bfo.----- \$10 (each)

Thanks,

Dave
aa9ol@execpc.com

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Alan Kaul <kaul@netcom.com>
Subject: [7592] FTP-ing files
Message-ID: <Pine.3.89.9604231255.A18578-01000000@netcom14>

I've been trying unsuccessfully to login as anonymous to FTP some of the
tools at Lehigh.EDU/pub/listserv/qrp-1 without success. The site rejects
my anonymous attempts, and when I try to login using my e-mail name and
the assigned number from Jim Eshleman as the password, and that doesn't
work either.

There might have been a post on how to ... but I must have missed it.

Anyone have any ideas? Pls and tnx. de alan

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [7611] Gel/Cell Charger Alert
Message-ID: <199604240149.BAA19183@chuck.dallas.sgi.com>

Gang,

Last Saturday I was at work and on the way home
stopped at Altex here in Dallas.

They had a charger for \$12.95, so in the spirit of
trying anything once, I thought what the hey>

Here is what the package says:

EMCO PS-612

6/12 Volt DC Batter Charger/Eliminator

Ideal for charging ni-cad, gel cell or lead acid
batteries

Input: 117 VAC 60Hz

Output: 6V/12VDC 750mA

Regulated with 30" connecting cable with alligator clip

Emco Division
Components Specialities Inc.
Lindenhurst, NY 11757

Cost \$12.95 from Altex

Well, last night I measured about 12.1V on the 20Ahr
Gates cells, so I thought it'd be a good test on these
puppies.

Inadvertantly I left the R/S digital multimeter on over night. So this morning as I passed by the desk I saw that it was on and display was active so I went over to shut it off. Imagine my surprise when I saw a reading of 15.75V DC!!!

No need to tell you that I immediately unplugged the charger. Don't know what I'll do, either take it back for refund or put a resistor in series to reduce the effect. I surely do not want to have gel/cells subjected to over voltage for any period of time.

Cells are back to 12.83V with GM-30 online, so no damage done, but I hate to think what would have happened if I had not attended to them for a day or so. :-(Bummer.

FYI

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Gary Evans <gevans@lightspeed.net>
Subject: [7555] Help with keyer
Message-ID: <317C6B0E.234E@bak2.lightspeed.net>

I've got a Heathkit HW-8, but no manual. I also have a Vectronics keyer that I would like to use, but I'm not sure what is the correct keying circuit to use. The keyer has three outputs, positive, negative, and relay. Anyone know which should be used with the HW-8? Thanks...

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: cmassey@airmail.net (Cleve Massey)
Subject: [7610] HW-8 for sale
Message-ID: <v02140b01ada48950661a@[206.66.14.76]>

I have a little used nearly mint condition HW-8 for sale...looks like new except for a few scratches on the bottom of the case...

Have the instruction manual and a couple of reprints of mods....there is a good one in the current 73 mag.

Will ship anywhere in the U.S. for \$225.....or let's talk...

e-mail direct with questions....

Tell you what...I will throw in an unassembled TEJAS active audio filter kit...

tnx...cleve

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: ddoyle@ARINC.COM
Subject: [7561] In San Fransisco this week.
Message-ID: <9603238302.AA830272283@ccmail.arinc.com>

Howdy Gang,

I am going to be in San Fransisco in the Airport area April 22nd thru Thursday the 25th. Are there any QRP activities, club meeting etc? If not, anybody want to get together and chat? Let me know by sending e-mail to ddoyle@arinc.com. Hope to see ya there.

Don Doyle - KC5EQC
ARINC, Inc
Tulsa Ok,

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: "Jim Markle" <jim_markle@corp.disney.com>
Subject: [7606] International Callbook Listings on-line
Message-ID: <9603238303.AA830309336@ccunix1.disney.com>

Check out:

<http://www.acs.ncsu.edu/HamRadio/CallServers.html>

It gives you:

Amateur Radio Callsign Servers

For most of these server's you'll probably need a forms capable browser such as XMosaic. If you have telnet capability but not forms capability, you may wish to use the telnet server instead.

University of Arkansas (Little Rock) Callsign Server
The QRZ North America Callsign Database
QSL Info System By IK4LZH (International Server)
Multi-Search Callbook Lookup
MIT's North America Ham Radio Callbook
G1YYH's United Kingdom Callbook
Telnet server from Buffalo.edu

----- Reply Separator -----

Subject: Re: International Callbook Listings on-line (was Need QSL in
Author: Richard.A.Stern.1@gsfc.nasa.gov at CORP-INTERNET-BURBANK
From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Kevin Muenzler <wb5rue@amsat.org>
Subject: [7586] International Callbook Listings on-line (was Need QSL info -IZ
land)
Message-ID: <01I3VQJP549G001NS0@ARWEN.UTHSCSA.EDU>

On Tuesday, April 23, 1996 12:19 PM, Richard A.
Stern[SMTP:Richard.A.Stern.1@gsfc.nasa.gov] wrote:

> I've looked at all the online callbooks and come up with a 'blank'....
> Last night I work this station on 40m at about 19:30 eastern. Made double
> sure of his call, because my 95' callbook didn't list any IZ's.

>
> So anyone out there have QSL info for this call?!

>
> ... IZ2ABW ...
> TNX de RICH

>
>
>

Where are you finding the international listings on line?
Kevin, WB5RUE
wb5rue@amsat.org
muenzlerk@uthscsa.edu

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: "Ahlgren Jukka (NTC/BS-OU)" <Ahlgren@ncsbsr02ou.ntc.nokia.com>
Subject: [7558] MV1662
Message-ID: <317CC17F@ncsbsr01ou.ntc.nokia.com>

Hello everyone!

Is there anyone, who has data for Motorola's MV1662
varicap diode? Please e-mail me.

Jukka OH6SC
jukka.ahlgren@ntc.nokia.com

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Dquagliana@aol.com
Subject: [7601] NE QRP and coffee mugs
Message-ID: <960423181336_381239698@emout09.mail.aol.com>

At the March NE QRP meeting at ARRL HQ
they spoke about the possibility of coffee mugs.
I now have a contact for the coffee mug company,
but lost the address of the NE QRP person
who was doing the coffee mug thing.

Can someone help? Please?

Doug KA2UPW
dquagliana@aol.com

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Richard Schneider <74602.3317@compuserve.com>
Subject: [7552] Need Mizuho Crystals
Message-ID: <960423041922_74602.3317_EHH88-1@CompuServe.COM>

MIZUHO HF HT OWNERS...

Im look for 20 meter CW crystals for my Mizuho HT. Jan Crystals sez they dont
make them anymore. Any ideas for sources, foreign or domestic?

Thanks

Dick/KB0SRY..

CQC#155

E-mail from: Richard Schneider, 22-Apr-1996

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: "Richard A. Stern" <Richard.A.Stern.1@gsfc.nasa.gov>
Subject: [7584] Need QSL info -IZ land
Message-ID: <199604231719.NAA08114@popa.gsfc.nasa.gov>

I've looked at all the online callbooks and come up with a 'blank'....
Last night I work this station on 40m at about 19:30 eastern. Made double
sure of his call, because my 95' callbook didn't list any IZ's.

So anyone out there have QSL info for this call?!

... IZ2ABW ...

TNX de RICH

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Larry East <LVE1@inel.gov>
Subject: [7569] New band?
Message-ID: <2.2.16.19960423143123.2c978fcc@134.20.32.17>

>
>I remembered to tune in 7.435 mhz at 2206 Sunday. Heard Paul, Roger, Steve
>and Steve and callers-in. Good show guys! Enjoyed a full hour of QRP
>discussion (interspersed with lots of ads!) Unfortunately, it will probably
>lead to more qrpers! (Just kidding).
>

How'd you guys manage with all the international broadcast QRM up there?? :-)

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: David Adams <dave@flowserver.stem.com>
Subject: [7583] new qrp book

Message-ID: <9604231707.AA02873@flowserver.stem.com>

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Jeff Grudin <grudin@pacific.vdbs.com>
Subject: [7578] Norcal Keyers?
Message-ID: <199604231557.IAA29073@pacific.vdbs.com>

Hello All.

I got my Norcal Keyer kit in the mail yesterday. As I started to put it together I realized that R6 has two values. The silkscreen on the board says 1K and the diagram says 2.2K.

Anyone know what is supposed to go there?

Thanks.

73 de Jeff AC6KW
grudin@vdbs.com

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Mike Robinson <miker@cc.com>
Subject: [7572] OHR400 xmit/rcvr freq
Message-ID: <9604231500.AA19856@voder.nsc.com>

Paul,

I can think of two reasons why your OHR400 might be hearing a different frequency than transmitting.

One of the steps during alignment is to have a known rig as a reference. By transmitting and listening you set the tone to be comfortable. I don't have the book in front of me, but this is part of the offset tuning. Along these same lines, if the rig you're tuning against is off, this would affect your alignment.

Also, is it possible that the transmit offset path is not functioning, and in fact you are transmitting on exactly the same frequency you are listening to. If you have a frequency counter you can test this. Set the

counter to the transmit frequency then listen for a zero beat on receive. (Someone help me, did I get that right?) The counter's oscillator should be hearable in the OHR400. I haven't tested this last method, so take it with some salt.

I love my OHR400.

```
=====
NCARC Superfest, June 1st, Larimer County Fairgrounds, Colorado
=====
7.3 de Michael AA0UB      miker@cc.com      michael@frii.com
      http://www.frii.com/~michael
      QRP-L #126      Norcal #857      CQC #180
=====
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From owner-qrp-l@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [7589] Passing thru Indy, 5/11, Des Moines 5/13-15
Message-ID: <Pine.3.89.9604231320.A24719-0100000@w3eax.umd.edu>

I have to be in Iowa from 13-15 May (going home thru Dayton :) on business. I have to find an inexpensive (not seedy) hotel in Indianapolis for the night of 11 May (Saturday) for myself and a dog. I will also be in Des Moines from 13-15 May and, well, who's out there???

* Scott Rosenfeld NF3I Burtonsville, MD FM19 QRV 80-10/6/2/440 *
*** VHF @ <25w, HF @ <5w *** Save a cake, pound BRASS instead ***
* 138 cfd with dipoles * QRP-L #147 QRP ARCI #9054 DXCC/WAS/WAC *
* 301-549-1022 h / 301-982-1015 w * 145.490- 147.225+ PL 156.7 *

From owner-qrp-l@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Tom_Jennings <jennings@eng16.rochny.uspra.abb.com>
Subject: [7609] Possible Ireland trip
Message-ID: <9604240141.AA01523@nms1.abb.com>

Hi,

There is a possiblity that I may go to Ireland on an emergency business trip in the next week or so. Does anybody has info on getting permission to operate there? I have a feeling this is too short notice but I want to at least try.

73,
Tom, kv2x

--

Thomas J. Jennings | Tel: (716) 273 7071
Senior Engineer | Fax: (716) 273 7262
ABB Industrial Systems Inc. |
Post Office Box 22685 |
Rochester, New York 14692-2685

Internet: jennings@jennings.rochny.uspra.abb.com

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Larry East <LVE1@inel.gov>
Subject: [7587] PostScript Viewer/Printer
Message-ID: <2.2.16.19960423175538.25bf7aa4@134.20.32.17>

The RoPS program mentioned in a post a couple of days ago is INDEED very nice! It is a "real" windows program -- the usual menu bar, on-line help, etc. -- and allows you to preview PostScript files on the screen as well as print them on non-PostScript printers (works great with my old HP LaserJet). However, the file mentioned in the post for downloading is the 32 bit version which works only if you have Win95 or Windows-NT (or a 32 bit extension for Windows 3.1). The 16 bit version can be obtained via FTP from:

[ftp.winsite.com/pub/pc/win3/util/rops1643.zip](ftp:winsite.com/pub/pc/win3/util/rops1643.zip)

For the 32 bit version:

[ftp.winsite.com/pub/pc/winnt/txtutil/rops3243.zip](ftp:winsite.com/pub/pc/winnt/txtutil/rops3243.zip)

If you have a WEB browser, you can get there via

<http://www.winsite.com/pc/....>

OK... now I can FINALLY print PS files! Now back to the business of QRP...

72, Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Pete Meier WK8S <pmeier@sun.tir.com>

Subject: [7560] QRP Banquet Tickets sill available BUT....
Message-ID: <317BE1DC.4451@tir.com>

Ladies and Gentlemen,

Time is running out but plenty of tickets are still available to that tremendous event following that tremendous FDI.....

THE 3RD ANNUAL ARCI QRP BANQUET
May 17, 1996 7:00PM
DAYS INN SOUTH - MIAMISBURG, OH

Advance tickets are needed and you STILL have time if you send NOW!!
Please mail a SASE and check or money order for \$13.00 payable to:
Pete Meier
4181 Rural
Waterford, MI 48329

We have a wonderful sit down dinner planned with two exciting speakers
and lots of great prizes so don't miss your chance to join the fun.

SEND FOR THOSE TICKETS NOW BEFORE IT'S TOO LATE!!!!

--

Member of ARRL, ARCI, MI-QRP, NORCAL, NE-QRP, G-QRP, CQC
Pete Meier WK8S Email: pmeier@tir.com
Waterford, Michigan USA

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Steven Wilson <randyw@crl.com>
Subject: [7563] QRP in The Field Phone frequencies ?
Message-ID: <Pine.SUN.3.91.960423053534.2382B-100000@crl6.crl.com>

Thinking about trying SSB this year, what frequencies will others be
using on 40 and 20 meters ?

de stan ak0b

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: bfollett@ditell.com
Subject: [7570] QRP to the Field SSB freqs.
Message-ID: <199604231435.IAA19158@orion.ditell.com>

Gang:

Stan wrote:

<<Thinking about trying SSB this year, what frequencies will others be using on 40 and 20 meters >>

Same here. So, while they may not be ideal, I'll start + or - around the "Published" QRP SSB frequencies. My list shows them as:

3985
7285
14285
18185--just kidding! No stds. for WARC bands. I'll try just below 18168
21385
24xxx I'll try 24985
28885 (ahhhh, the 6 meter alert frequency)
50885 for those so inclined
144285

See you there, es on CW. Bob

Bob Follett WA7FCU, QRP-L # 129, NorCal, ARCI, 10-10
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 Home Office E-mail: bfollett.ditell.com

From owner-qrp-l@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [7577] QRPTTF
Message-ID: <199604231555.IAA09737@user.dancris.com>

What is the 'official' time frame for QRPTTF? In UTC, please.

Thx
73,
Bob KI7MN NorCal 1221 ARCI 8918 Qrp-l 271

From owner-qrp-l@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: "Ahlgren Jukka (NTC/BS-OU)" <Ahlgren@ncsbsr02ou.ntc.nokia.com>
Subject: [7556] Tuning capacitors
Message-ID: <317C992B@ncsbsr01ou.ntc.nokia.com>

Does anyone have experience in using plastic-insulated tuning capacitors in a qrp tuner? I have a couple of them taken from BC-radios and I wonder how much power they can handle.

73 de Jukka OH6SC
jukka.ahlgren@ntc.nokia.com

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: tdrumm@sparc.isl.net (Tony Drumm)
Subject: [7549] Variable cap sources
Message-ID: <199604230339.WAA06372@sparc.isl.net>

Any good sources for variable caps besides flea markets? Are there any of the small ones they used to use in small "transistor radios" of the '60's still around? For instance, what would be a source of something to use in place of the trimmer to tune the 40-9er (but still small enough to perhaps fit in the Altoids case)?

Also, has anyone used any of the many varieties of batteries available for cameras for powering their sub-watt QRP rigs? There seems to be a fairly hefty six volt battery slightly larger than a 9V. They're pricey (and might be lithium if I'm remembering right) but it would seem that a couple of these would make a nice little 12v pack.

72.
Tony Drumm
Rochester, MN
internet: tdrumm@isl.net
Packet: aa0sm@wd0gnk.#semn.mn.usa.na

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Clark Savage Turner WA3JPG <turner@safety.ics.uci.edu>
Subject: [7596] Want Sierra modules (kits or built)
Message-ID: <14205.830285703@safety.ics.uci.edu>

Hello all -

Well, I missed out on the original Sierra offering and cannot afford the current one either :-), but have a friend who got the new Wilderness version and sold his original to me cheap. However,

I got no modules with it.

Anyone have any module kits or modules lying around that you do not want or need? I am not picky about bands at this point, just want to put it on the air.

I will check with Wilderness at some point, I suspect those modules are the same and I can obtain ones not found here from them.

Clark
WA3JPG

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: "Kerry W. Miller" <kmiller@flash.net>
Subject: [7614] Where am I?
Message-ID: <1.5.4.32.19960424030537.0068ec34@mail.flash.net>

I think we have been a little spoiled by digital freq readouts on our rigs these days (oh, man, I'm not old enough to sound like an old codger...), I know I have. Even with digital readout, the accuracy is pretty relative, although the new rigs are awfully close. I still sometimes operate a set of Drake Twins, the analog dials are pretty close when I calibrate it on that band, maybe within a couple of KHz. My old HW-101 was doing good to be within 5-10 KHz. The only time it really mattered is when I had a sked.

All this rambling to say that, especially when the vxo will only go 5-8 KHz, a close guess is good enough. It's not really heresy to put down 7.042 on a QSL card or in the log when it may have actually been 7.041!

Have fun and don't sweat the small stuff! CU at QRPTTF and FD!
73,
Kerry

```
      \\\  
      (  )  
      ( oo )  
|-----oo00--()--00oo-----|  
| Kerry Miller                Royse City, TX |  
|                                WD5ABC        |  
|-----|  
kmiller@flash.net
```

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: weinfurtner@ouvaxa.cats.ohiou.edu (Greg Weinfurtner)
Subject: [7567] Where is a 40-9er schematic?
Message-ID: <v01510100ada250a57907@[132.235.72.11]>

Gang,

Is there a posting of the 40-9er schematic anywhere on the web? I keep hearing about this 'lil rig and would like to see the schematic so's I can put one together!

Thanks in advance,
73 de

```
*****
*                               Greg Weinfurtner AEE BSS *
*      NN      N  SSSSSSS  8888888  0000000  Electronic Design Splst *
*      N N     N  S      8      8  0      0  Ohio University Athens *
*      N N     N  SSSSSSS  8888888  0      0  GO BOBCATS! *
*      N  N N      S      8      8  0      0 *
*      N      NN  SSSSSSS  8888888  0000000 *
*                               Can thou send forth lightnings *
*                               Amateur Radio      that they may go and say unto *
*                               thee, 'Here we are'? Job 38:35 *
*      weinfurtner@ouvaxa.cats.ohiou.edu *
*      http://ouvaxa.cats.ohiou.edu/~weinfurtner *
*****
```

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Dave Fifield <fifield@lan.nsc.com>
Subject: [7574] Wideband Noise Generators FS
Message-ID: <317D0BF1.4900@lan.nsc.com>

For Sale: Two modern 50/100/150 Watt (three settings) 110V a.c. powered wideband noise generators. These feature touch control of the level setting. Proven to generate full scale wideband noise well up into the upper reaches of the HF spectrum - even when they're not turned on!!! What more could you ask for? Bonus - they also generate output at visible light wavelengths. Would look real nice on a pair of nightstands.

Price: FREE!!! Just come and take them away....please!

BTW, passed my extra written and 13wpm CW on Saturday. Tried the 20wpm test, but only got 6/10 correct, oh well...a few more weeks practice will sort that out.

Dave Fifield

```
-----  
| LAN Applications Manager      | KE6ZBZ/AA      |  
| National Semiconductor Corp   | QRP-L #92      |  
| Moving and Shaping Information | Norcal #1486   |  
-----
```

From owner-qrp-l@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Bradley Hannum & Family <bradleys@sprynet.com>
Subject: [7605] Re: "Four Days in May (c)" QRP Symposium - APRIL 96 UPDATE (REAL
Message-ID: <317D93B2.4C9C@sprynet.com>

any chance of taping these lectures for non-attendees? how 'bout
possibility of assembling the lectures in a file available for email?
it figures i'll be in ohio till 5 may, and then must return to texas. my
loss....
thanx
brad
soon testing for novice. just wanna qrp...72

From owner-qrp-l@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: George Dobbs <g3rjv@gqrp.demon.co.uk>
Subject: [7580] Re: "Four Days in May (c)" QRP Symposium - APRIL 96 UPDATE (REAL
LONG)
Message-ID: <X1nMsDA\$YPfxEw08@gqrp.demon.co.uk>

YET ANOTHER FDIM EXCLUSIVE !!!

The G QRP Club will be offering the first ever copies of an exciting new
book:

RADIO PROJECTS FOR THE AMATEUR
By Drew Diamond VK3XU

Receivers - Converters - CW Transmitters - SSB Transmitters - CW/SSB

Transceivers - Test Equipment - Construction practice
All presented with full constructional details and photographs.

Only a very limited number of copies will be available (they are still
being printed and we must carry them across the Atlantic!)

First come first served..... then they go to the G QRP Club Booth.

72/3

```
-----
George Dobbs G3RJV                "It is vain to do with more
The G QRP Club                    what can be done with less"
g3rjv@gqrp.demon.co.uk           William of Occum (1290-1350)
-----
```

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [7559] Re: "Four Days in May (c)" QRP Symposium - APRIL 96 UPDATE (REAL
LONG)
Message-ID: <Pine.SOL.3.91.960423071247.22659C-100000@utkux4.utcc.utk.edu>

Now the only question is "Who are the folks listed as Speaker #1 to
Speaker #10?" Even the speakers would like to know.

-73-
LB, W4RNL
early riser

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Jerry <jfelts@rapidcity.com>
Subject: [7557] RE:40-9ER SMOKE
Message-ID: <199604230617.AAA00423@host1.rapidcity.com>

Just want to thank everyone for your replys. By the way you were all right
it was the finals rf choke. With a 2n3866 in place I get close to 300mw out.
No qsos yet guess I can't seem to get on when the band is good.

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: "David D. Meacham" <ddm@datatamers.com>
Subject: [7612] Re: Antenna help -please

Message-ID: <Pine.LNX.3.91.960423190105.7148A-100000@dt1.datatamers.com>

Fr. Bowes,

What you have is an EXTENDED double zepp cut for 80 meters. That antenna has some gain and directivity (broadside) on the fundamental frequency. It is not resonant, so you are using "tuned feeders". This is fine, but no guarantee of reasonable impedances on all bands at the sending end of your ladder line. Try adding or subtracting a small amount of feedline. A small amount won't affect 80 & 40 as much as it will 20. You should be able to reach a compromise length that will present impedances (on several bands) that your tuner can handle.

72 es gl, Dave, W6EMD

On Tue, 23 Apr 1996, Bowes, Fr. Bruce wrote:

> Gang,
> Recently I built and installed a Double Zepp, 170.9 feet on each leg,
> abt 30 feet high fed with ladder line. It loads up fine on both 80 and
> 40 meters - low SWR and full 100 watts out. However, on 20m I can get
> the low SWR but only about 10 to 15 watts. I have tried all the setting
> on my MFJ tuner 941b(?) and still nothing better. When I switch to my
> old 80 m dipole, I am able to get a low SWR and full power out with the
> best setting on the tuner that I can get. The rig is a KNWD TS520s. Th
> e antenna is made up of #17 galvanized wire with a good ladder line fed.
> Any ideas?? The recommeded lenght is 168.74 feet (.64 80m)
> Thanks
> Fr Bowes KB2TRF
>
>

From owner-qrp-l@Lehigh.EDU Tue Apr 23 22:35:38 1996

From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

Subject: [7608] Re: antennas

Message-ID: <Pine.SOL.3.91.960423212541.23534A-100000@utkux4.utcc.utk.edu>

Tim,

Have used the HF5B for about 6-7 years now with quite satisfactory results. It is essentially a two element beam with fan elements self-resonant at about 25 MHz. It uses systems of linear loading to resonate it as a 2-element Yagi on 10, 15, and 20. On 12, it is a beam in the opposite direction. On 17, it is essentially a dipole.

Gain on 10 is equaly to any 2-element Yagi. On 15, gain holds up pretty well. On 20, the gain is down, but there is enough front-to-back ratio

for directivity and some QRM reduction.

Tuning up the beam was done with it mounted pointing straight up, with the reflector a few feet above ground. Some of the tuning is quite sharp in terms of loading line length adjustments. I have had no mechanical problems at all with the antenna, including transporting the elements across the county to this location 5 years ago or so. Reassembled and mounted atop the tower, no readjustment was needed. It has held up in 50 plus mph winds over the years with no problems. Only requires a light rotator. I use an HD 73, but a TV rotator would do the job.

So if your expectations are not for magic, but for 2-element performance with some reductions on 20, where the elements are short, and if you have the patience to assemble and tune it up, you will likely enjoy it. A lot smaller than most beams, which is handy for either small plots or for better survival in the winds.

Hope this is useful to you.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Kevin Muenzler <wb5rue@amsat.org>
Subject: [7575] RE: Battery Suggestions?
Message-ID: <01I3VM01111Y001NSO@ARWEN.UTHSCSA.EDU>

On Tuesday, April 23, 1996 6:25 AM, Chris McCormack[SMTP:chrismc@eecs.umich.edu] wrote:

> The nicads in my Icom 2SAT have decided they no longer wish to
> hold a charge, so I'm fishing for suggestions on where I can get
> new batteries for thi little HT. (Slightly bigger than an Altoids
> box, but much smaller than my HW-8).

> Also, in the current issue of QST, I noticed an ad for NiMH
> cells. How do these compare (cost and performance)?

>
> Chris McCormack
> n0oqt / qrp-416
> c.mccormack@ieee.org
>
>

Try E. H. Yost (Mr. NICAD).
They have both the packs and insert kits.

Kevin, WB5RUE
wb5rue@amsat.org
muenzlerk@uthscsa.edu

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: KR4GL@aol.com
Subject: [7613] Re: Battery Suggestions?
Message-ID: <960423225845_476835518@emout18.mail.aol.com>

Nickel metal hydride batteries are handy for laptops that are constantly being charged and recharged. They exhibit less "memory" than nicads (supposedly none).

They do, however, self discharge faster than nicads. So if you charge up the HT and put it in your briefcase, you'll be loosing charge even when not using the HT. Nicads generally don't do that (or at least not so noticeably).

72 de KR4GL
John Foote

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: art.searle@asb.com
Subject: [7604] Re: Butternut HF5B Antenna
Message-ID: <9604231934.0RHQ100@asb.com>

In message Tue, 23 Apr 1996 07:53:50 CST,
"Tim Stabler" <TSTABLER@iunhaw1.iun.indiana.edu"
"subject: antennas" writes:

>
>Has anyone on this group used the Butternut HF5B Compact Butterfly
>Beam antenna????? I was wondering how this would work on my TV
>rotor in place of my Cushcraft 10-15-20 meter dipole.

I had on of these antennas in 1988 and this is what I remember:

- 1) Difficult to tune. Bands were interactive, you adjust one it affects another.
It took a lot of effort to get all bands adjusted right.
- 2) Little or no gain or rejection. You don't have to turn this antenna to work someone off the back or side (if you can hear 'em). If you own this antenna DX is not important to you.
- 3) Bandwidth was pretty good.

- 4) I would bet your dipole works better.
- 5) I turned it with a TV rotor and it worked fine.
- 6) Your only benefit would be additional bands.

72, de Art WU2K art.searle@asb.com

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: ka0yos@arn.net
Subject: [7550] Re: Field Day Recruiting & totheField
Message-ID: <199604230406.XAA18141@arnet.arn.net>

At 02:01 PM 4/22/96 -0500, rohre wrote:

>The upcoming Norcal to the Field operating activity is an excellent time to do
>

> ...

>
>tail gate meet, I found enough reasonably priced ceramic insulators for three
>antenna systems. We realized that plastic dogbone insulators probably won't
>cut it, (and will get cut) if holding up a mass of copper in any Spring wind.
>We hope we have tough enough ceramic for the task.

>
I'm curious if this is true? I've had the "dog bones" in the air for three
years without a hitch. One holds a run in excess of 110 feet. It does get
a might windy here on the high plains (Amarillo, TX) maybe I should bring it
all down for an inspection. Has anyone had these fail?

Thanks and 73/72,
Joe ka0yos

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: [7576] Re: Field Day Recruiting & totheField
Message-ID: <Pine.A32.3.92a.960423082224.79480A-100000@homer30.u.washington.edu>

I'm using plastic dogbones to keep up my G5RV. The dogbones and
antenna have been up for a little over 2 years. They have withstood
80 MPH winds on several occasions; more frequently 50 MPH winds.
One end of the G5RV has come down out of a tree twice but that was
not a dogbone issue.

Where the G5RV makes a low pass across the peak of the roof a support
with dogbone was added. I made a cut into that dogbone at a bias in
order to slip the antenna wire into the hole. Afterwards, I used

some parachute cord to bandage the cut dogbone. It has not failed.

The dogbones I'm referring to are the white softer plastic type, not the hard kind. They do the job and they do it well.

Stephen Lee, AB7HI
slee@u.washington.edu

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Jim Eshleman <lujce@hooch.cc.lehigh.edu>
Subject: [7594] Re: FTP-ing files
Message-ID: <96Apr23.161231-0500edt.65553-6073+2@hooch.CC.Lehigh.EDU>

> I've been trying unsuccessfully to login as anonymous to FTP some of the
> tools at Lehigh.EDU/pub/listserv/qrp-1 without success. The site rejects
> my anonymous attempts, and when I try to login using my e-mail name and
> the assigned number from Jim Eshleman as the password, and that doesn't
> work either.

The anonymous FTP site is at ftp.Lehigh.EDU, not Lehigh.EDU. Login with user anonymous, and use your e-mail address as the password.

73
Jim N3VXI

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Mike Robinson <miker@cc.com>
Subject: [7571] Re: ICOM 706 Tune-up
Message-ID: <9604231447.AA19250@voder.nsc.com>

Bill,

My Yaesu FT890 has four ways to key the transmitter:

Mic Key (PTT)
VOX
MOX
PTT

The Mic Key is obvious. You might try this for CW tuning.

The VOX is normal for CW, the 890 recognizes when the keying

starts and kicks on the transmitter.

The MOX is the manual version of VOX. When I push this button, the transmitter is on.

The PTT is a jack for the RTTY circuit to key the transmitter. Maybe you could rig a switch to use this for tune up.

```
=====
NCARC Superfest, June 1st, Larimer County Fairgrounds, Colorado
=====
7.3 de Michael AA0UB      miker@cc.com      michael@frii.com
      http://www.frii.com/~michael
      QRP-L #126      Norcal #857      CQC #180
=====
```

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: "Richard A. Stern" <Richard.A.Stern.1@gsfc.nasa.gov>
Subject: [7593] Re: International Callbook Listings on-line (was Need QSL info
Message-ID: <199604231958.PAA22507@popa.gsfc.nasa.gov>

At 12:37 PM 4/23/96 -0500, you wrote:
>On Tuesday, April 23, 1996 12:19 PM, Richard A.
Stern[SMTP:Richard.A.Stern.1@gsfc.nasa.gov] wrote:
>>
>> So anyone out there have QSL info for this call?!
>>
>> ... IZ2ABW ...
>> TNX de RICH

>Where are you finding the international listings on line?
>Kevin, WB5RUE
>wb5rue@amsat.org
>muenzlerk@uthscsa.edu
>

Check out this [http:-----|](http://www.systemtechnik.tu-ilmenaw.de/ham/hamqsl.html)
|

<http://www.systemtechnik.tu-ilmenaw.de/ham/hamqsl.html>

LOTS OF CALLBOOKS!!!!!! de Rich

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [7565] RE: MV1662
Message-ID: <960423083106.2421beb8@carib.vf.mmc.com>

Jukka, you queried:

>Is there anyone, who has data for Motorola's MV1662
>varicap diode? Please e-mail me.
>
>Jukka OH6SC
>jukka.ahlgren@ntc.nokia.com

Here's some data from the Motorola data book:

Reverse voltage: 15 Vdc maximum

Specified capacitance with 4 volts of reverse bias:

225pf minimum 250pf typical 275pf maximum

Q = 150 with VR = 4 volts at F = 20 MHz

Estimating from a curve in the data sheet gives the following capacitances with reverse bias voltages:

VR	Capacitance
2	430 pf
4	250
6	200
8	180
10	170
15	150

Good luck and 72/73,

Joe E., N2CX

work: jeverhart@cayman.vf.mmc.com
home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Roger Hightower <aa7qy@dancris.com>
Subject: [7591] Re: Passing thru Indy, 5/11, Des Moines 5/13-15

Message-ID: <199604231928.MAA11049@user.dancris.com>

At 01:44 PM 4/23/96 +1030, Scott Rosenfeld NF3I wrote:

>I have to be in Iowa from 13-15 May (going home thru Dayton :) on
>business. I have to find an inexpensive (not seedy) hotel in
>Indianapolis for the night of 11 May (Saturday) for myself and a dog. I
>will also be in Des Moines from 13-15 May and, well, who's out there???

>

Hi Scott. My dog and I have traveled all over the country together, and usually stay at KOA's. If it's too cold for the tent, we just rent one of their Kamping Kabins.

Hard to find a motel that will let your dog stay without charging you extra.

72/73 es GL, de Roger, AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Jim Stafford-W4QO <w4qo@america.net>
Subject: [7553] Re: QRP Afield QTH Update
Message-ID: <Pine.SV4.3.91.960423010608.29689C-100000@atl1>

Paul,

W4QO will be operating from Roswell, GA - the actual site of the big UFO landing many years ago. Press got wind that it was at some place called Roswell and government conspiracy diverted attention to Roswell, NM! Many locals swear that moonshine recipe improved greatly after ETs left secret for Intergalactic Hootch.

73/72/jim/w4qo

From owner-qrp-l@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Bill Howell <bhowell@mail.utexas.edu>
Subject: [7579] Re: soldering pl-259s
Message-ID: <199604231642.LAA30604@mail.utexas.edu>

On Saturday, April 20, 1996 9:17 AM, moyle[SMTP:js25@cityscape.co.uk] wrote:

>Help!

>

>Is there an easy way of fitting PL259 connectors? The books all say just
>"solder the braid". I've melted everything including my fingers and never
>seem to get a good result. What is the lowest power the iron should be? Can
>one get connectors which don't need their braid soldered?

>

>73, John

><moyle@cityscape.co.uk

>////////////////////////////////////

Something I do (besides using a BIG soldering gun), is to have one of those
small "muffin" fans running on the bench. As soon as I finish soldering, I
hold the connector in front of the fan until cool.

The idea here being to blow away all that accumulated heat (which in my
mind, is cooking the inner insulation).

In any event, it makes the connector "touchable" much quicker.

The fan I refer to is found on the power supplies of P.C's.
I got mine at a ham flea-market for \$3 or so.

Bill Howell
University of Texas at Austin
Performing Arts Center
Electronic Maintenance
voice: (512) 471-1388
bhowell@mail.utexas.edu

N5ALO QRP-L #415

^^^^^^^^^^^^^^^^^^^^

goo goo g'joob

^^^^^^^^^^^^^^^^^^^^

From owner-qrp-l@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: "MSgt Cameron C.R. Bailey" <CBAILEY@pamdt.ang.af.mil>
Subject: [7582] Re: soldering pl-259s

Message-ID: <heH8+ywET1A@PAMDT.ANG.AF.MIL>

The use of muffin fans when soldering is a good idea for safety and health reasons. The fumes from soldering can or may be hazardous. Especially when using silver solder which may contain cadmium.

Anyone have an MSDS for the organic core solder?

The fans are nice in the warm summers too.
72 de kt3a

Cam Bailey
SOGNET LAN Administrator (Banyan)
211 Engineering Installation Squadron
Fort Indiantown Gap (Annville) PA
DSN: 491-8737 Comm: 717-861-8737 FAX: 8268

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: QLF%mimi@magic.itg.ti.com
Subject: [7566] re: SOLDERING PL259's
Message-ID: <9604231309.AA00869@itg.ti.com>

From: Brad Bradfield QLF

Subj: re: SOLDERING PL259's

On April 22, Kevin, WB5RUE, wrote:

>The idea is to heat the area up quickly so as to not melt the center
>insulation of the connector or the coax. When the solder flows remove the
>soldering iron and hit it with the freeze mist to cool it down.

With all due respects, I must take exception to Kevin's method. Any molten metal, when cooled too quickly, will fracture. It can cause a poor mechanical and/or electrical bond. Even the old soldering trick of gently blowing on a joint to cool it after removing the heat can cause the joint to fracture or go "cold."

As I mentioned a week or two ago in an identical thread, the best method I have ever found for soldering PL-259's is as follows:

- 1) Use silver plated PL-259's. (Amphenol # 83-1SP)
- 2) If you use non-silver plated connectors, take a small rat tailed file and

file through the plating inside and around the four solder holes in the connector. File all the way down to the base metal, usually brass. Then tin the area around the holes.

3) Regardless of which connector you use, place a drop of liquid flux into each solder hole after the coax is inserted, and before heating.

4) Use a 100 Watt (or so) iron or gun. The flux causes solder to flow rapidly as soon as solder melting temperature is reached.

I've had no problem with melting coax center dielectric using this method, and if you've ever melted the center insulator on the PL-259 itself, you've either used WAY too much heat for WAY too long, or the connector was junk to begin with.

I've never used the paste solder mentioned by someone in the earlier thread, but it bears investigating too. I would want to know the exact chemical contents of the stuff to make sure that it is in no way corrosive or otherwise toxic.

Another tip is to use only premium grade coax. I have always stayed away from foam dielectric because not only is it difficult to solder without mangling, but the center conductor tends to "migrate" in the foam, even in normal outside summer heat. This happens over time, and not overnight. Even foam dielectric Heliax will do this to some extent.

Sorry 'bout the length of this post. Hope the information is useful to someone.

73's

Brad, WB0CGH

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*****
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From owner-qrp-l@Lehigh.EDU Tue Apr 23 22:35:38 1996

From: David Werner <aa9ol@execpc.com>

Subject: [7595] Re: Spring Cleaning Items...Sold Out!
Message-ID: <317D39B4.6D8E@execpc.com>

All the items have been sold.

Thank you,

Dave Werner AA90L

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: David Werner <aa90l@execpc.com>
Subject: [7590] Re: Spring Cleaning.
Message-ID: <317D2C9F.8B2@execpc.com>

The Norcal 40 partial kit has been sold.

If the flood of E-mail is any indication I guess
I priced it too low! ;)

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Steven Wilson <randyw@crl.com>
Subject: [7562] Re: Tuning capacitors
Message-ID: <Pine.SUN.3.91.960423053045.2382A-100000@crl6.crl.com>

The orginial design of the St Louis tuner used the plastic poly variables and they worked very well for QRP power levels. I have used them in receivers and in the oscilator stages of transmitters (VX0, VFO) with excellent results. I would prefer using air variables, but have found the poly variables (which are still available new) to work very well. Also you can often obtain dual variables of approx 120 and 50 pf per stage. de stan ak0b

On Tue, 23 Apr 1996, Ahlgren Jukka (NTC/BS-OU) wrote:

>
> Does anyone have experience in using
> plastic-insulated tuning capacitors in
> a qrp tuner? I have a couple of them
> taken from BC-radios and I wonder
> how much power they can handle.
>
> 73 de Jukka OH6SC

> jukka.ahlgren@ntc.nokia.com
>
>

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: "John Kirk, VE6XT" <jakirk@freenet.calgary.ab.ca>
Subject: [7603] Re: Tuning capacitors
Message-ID: <Pine.A32.3.92.960423171038.28254A-100000@srv1.freenet.calgary.ab.ca>

Hi:

They will handle any reasonable qrp power, but I remember reading that their Q was awful, therefore making them very lossy - the last thing you want in a qrp rig. I'd try and come up with the mid-sixties miniature air variables, as another post to the net suggested.

73

John

On Tue, 23 Apr 1996, Ahlgren Jukka (NTC/BS-OU) wrote:

>
> Does anyone have experience in using
> plastic-insulated tuning capacitors in
> a qrp tuner? I have a couple of them
> taken from BC-radios and I wonder
> how much power they can handle.
>
> 73 de Jukka OH6SC
> jukka.ahlgren@ntc.nokia.com
>
>

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Wayne Barnhart <wayneb@on-ramp.ior.com>
Subject: [7607] Re: Tuning capacitors
Message-ID: <Pine.LNX.3.91.960423183421.11980B-100000@on-ramp.ior.com>

On Tue, 23 Apr 1996, Steven Wilson wrote:

> The orginial design of the St Louis tuner used the plastic poly variables
> and they worked very well for QRP power levels. I have used them in
> receivers and in the oscilator stages of transmitters (VX0, VF0) with

> excellent results. I would prefer using air variables, but have found
> the poly variables (which are still available new) to work very well.

Hi Steve. Where might one procure such devices. I only have a few
catalogs around and none of them list variables, except of course the
circuit board stuff.

Wayne WB7WHI
Spokane, Wa.

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: Rich Mulvey <mulveyr@vivanet.vivanet.com>
Subject: [7600] Re: Want Sierra modules (kits or built)
Message-ID: <199604232051.QAA02783@ll.aa2ys.ampr.org>

>
> Hello all -
>
> Well, I missed out on the original Sierra offering and cannot afford
> the current one either :-), but have a friend who got the new
> Wilderness version and sold his original to me cheap. However,
> I got no modules with it.
>
> Anyone have any module kits or modules lying around that you do not
> want or need? I am not picky about bands at this point, just
> want to put it on the air.
>
> I will check with Wilderness at some point, I suspect those modules
> are the same and I can obtain ones not found here from them.
>

Hi Clark:

Yes, the original Norcal and the new Wilderness band modules are
completely interchangeable.

- Rich

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: "Richard A. Stern" <Richard.A.Stern.1@gsfc.nasa.gov>
Subject: [7585] Re:What freq. am I on?
Message-ID: <199604231729.NAA08900@popa.gsfc.nasa.gov>

Some one posted about not knowing what freq. their on using a Xcver.. (49er or other) that has no readout. I bought a cheap Radio Shack freq.counter with telescopic antenna. I set it next to my xmitter. Works fine all the time. Used it with 40-40,9030, HOWES 20m and that poor misguided Ramsey thing-a-ma-bob. There are freq. counter kits avail, also for dirt cheap. But like most of the previous post suggest, as long as the radio works within the band and you make the QSO... ENJOY!!!

Rich (NE-QRP #333, QRP-1 #520)

From owner-qrp-1@Lehigh.EDU Tue Apr 23 22:35:38 1996
From: "MSgt Cameron C.R. Bailey" <CBAILEY@pamdt.ang.af.mil>
Subject: [7581] re: Wideband Noise Generators FS
Message-ID: <heH8+lqETlA@PAMDT.ANG.AF.MIL>

Dave,

I don't care who gets them, as long as they don't live in my neighborhood. I tracked one down already to a neighbor's home. That's my version of a fox hunt.

72 de kt3a

P.S. Thanks for the help with HamCalc 1.5 folks.

Cam Bailey
SOGNET LAN Administrator (Banyan)
211 Engineering Installation Squadron
Fort Indiantown Gap (Annville) PA
DSN: 491-8737 Comm: 717-861-8737 FAX: 8268